

**Discrete Mathematics**  
**Volume 275, Numbers 1-3, 28 January 2004**

**Contents**

**Contributions**

- G. Appa and B. Kotnyek*  
Rational and integral  $k$ -regular matrices 1
- V.P. Bakoev*  
Algorithmic approach to counting of certain types  $m$ -ary partitions 17
- K. Betsumiya, S. Ling and F.R. Nemenzo*  
Type II codes over  $\mathbb{F}_{2^m} + u\mathbb{F}_{2^m}$  43
- Ch.A. Charalambides*  
Non-central generalized  $q$ -factorial coefficients and  $q$ -Stirling numbers 67
- M. Chen, G.J. Chang and D.B. West*  
Interval numbers of powers of block graphs 87
- R. Daskalov, P. Hristov and E. Metodieva*  
New minimum distance bounds for linear codes over GF(5) 97
- S. Fiorini and P.C. Fishburn*  
Weak order polytopes 111
- H. Galeana-Sánchez and R. Rojas-Monroy*  
Kernels in pretransitive digraphs 129
- L. Gionfriddo*  
Voloshin's colourings of  $P_3$ -designs 137
- X. Guo and F. Zhang*  
Reducible chains of planar 1-cycle resonant graphs 151
- S.M. Khamis*  
Height counting of unlabeled interval and  $N$ -free posets 165
- J.H. Kwak, J. Lee and Y. Shin*  
Balanced regular coverings of a signed graph and regular branched orientable surface coverings over a non-orientable surface 177
- A. Lladó and S.C. Lopez*  
Minimum degree and minimum number of edge-disjoint trees 195

**Discrete Mathematics**  
**Volume 275, Numbers 1-3, 28 January 2004**

**Contents**

**Contributions**

- G. Appa and B. Kotnyek*  
Rational and integral  $k$ -regular matrices 1
- V.P. Bakoev*  
Algorithmic approach to counting of certain types  $m$ -ary partitions 17
- K. Betsumiya, S. Ling and F.R. Nemenzo*  
Type II codes over  $\mathbb{F}_{2^m} + u\mathbb{F}_{2^m}$  43
- Ch.A. Charalambides*  
Non-central generalized  $q$ -factorial coefficients and  $q$ -Stirling numbers 67
- M. Chen, G.J. Chang and D.B. West*  
Interval numbers of powers of block graphs 87
- R. Daskalov, P. Hristov and E. Metodieva*  
New minimum distance bounds for linear codes over GF(5) 97
- S. Fiorini and P.C. Fishburn*  
Weak order polytopes 111
- H. Galeana-Sánchez and R. Rojas-Monroy*  
Kernels in pretransitive digraphs 129
- L. Gionfriddo*  
Voloshin's colourings of  $P_3$ -designs 137
- X. Guo and F. Zhang*  
Reducible chains of planar 1-cycle resonant graphs 151
- S.M. Khamis*  
Height counting of unlabeled interval and  $N$ -free posets 165
- J.H. Kwak, J. Lee and Y. Shin*  
Balanced regular coverings of a signed graph and regular branched orientable surface coverings over a non-orientable surface 177
- A. Lladó and S.C. Lopez*  
Minimum degree and minimum number of edge-disjoint trees 195

<i>R. Luo and C.-Q. Zhang</i> Edge coloring of graphs with small average degrees	207
<i>K.G. Monks and J. Yazinski</i> The autoconjugacy of the $3x + 1$ function	219
<i>P. Nelson and A.J. Radcliffe</i> Semi-regular graphs of minimum independence number	237
<i>T. Pisanski, M. Boben, D. Marušić, A. Orbanić and A. Graovac</i> The 10-cages and derived configurations	265
<i>P. Rosendahl</i> On the identification problems in products of cycles	277

## Notes

<i>P. Adams, D. Bryant and B. Maenhaut</i> Common multiples of complete graphs and a 4-cycle	289
<i>R.C. Brigham, J.R. Carrington and R.P. Vitray</i> Extremal connected graphs for independent domination number	299
<i>F.M. Dong, K.M. Koh and C.A. Soh</i> Divisibility of certain coefficients of the chromatic polynomials	311
<i>G. Ge</i> Mandatory representation designs $\text{MRD}(\{4, k\}; v)$ with $k \equiv 1 \pmod{3}$	319
<i>A.E. Koller and S.D. Noble</i> Domination analysis of greedy heuristics for the frequency assignment problem	331
<i>Y. Lin and A. Yang</i> On 3-cutwidth critical graphs	339
<i>Q.-L. Lu</i> On a restricted $m$ -ary partition function	347
<i>N.R. Rocco and J.S. Rocha</i> A note on finite semifields and certain $p$ -groups of class 2	355
<i>L. Sun</i> A result on Vizing's conjecture	363
<i>A. Wierman, J. Salzman, M. Jablonski and A.P. Godbole</i> An improved upper bound for the pebbling threshold of the $n$ -path	367
<i>H.W. Zou</i> The chromatic uniqueness of certain complete $t$ -partite graphs	375

## Erratum

*D.R. Woodall*

Erratum to "A zero-free interval for chromatic polynomials"  
[Discrete Mathematics 101 (1992) 333–341] 385

Author index to volume 275 391

---

**CONTENTS**  
**direct**

This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier books and journals. You can register for **ContentsDirect** online at:  
<http://contentsdirect.elsevier.com>

---

